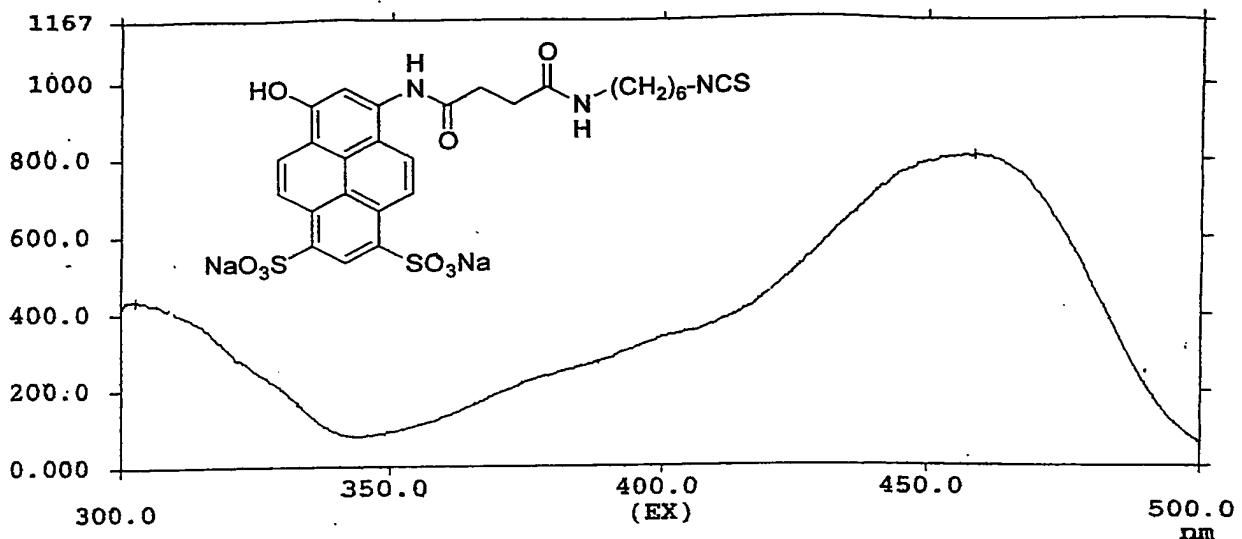
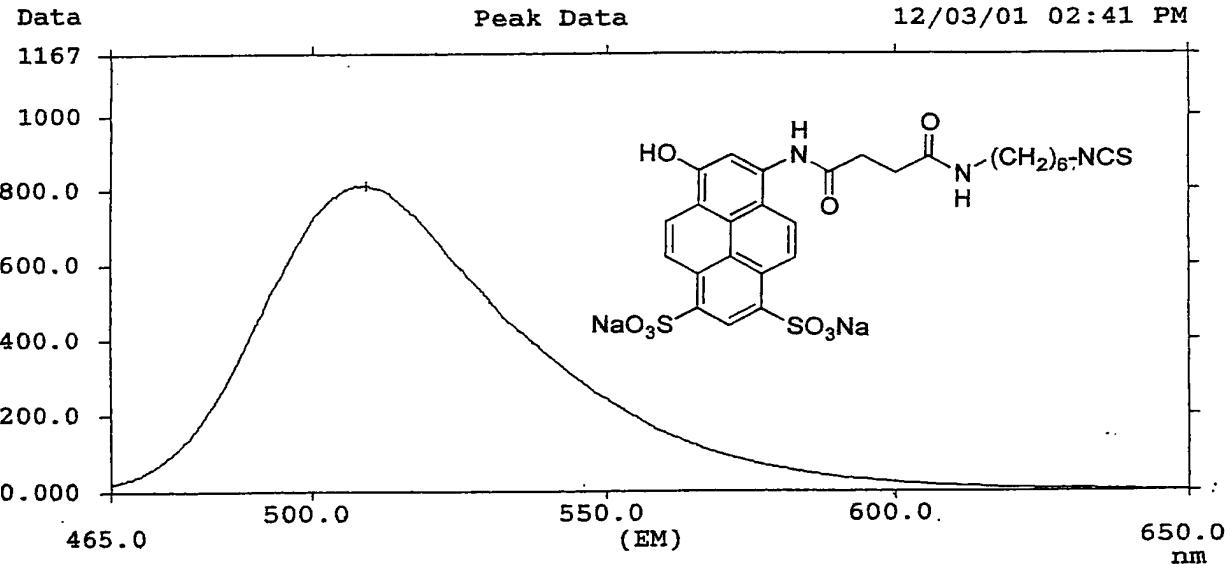


Fig. 1A



Sample : ABC-558-59
Comment : SB Susb.dil pH 9:0
EM : 508.0 nm
Data Mode : Fluorescence
Scan Speed : 1200 nm/min Slit
PMT Voltage : 700 V Response :

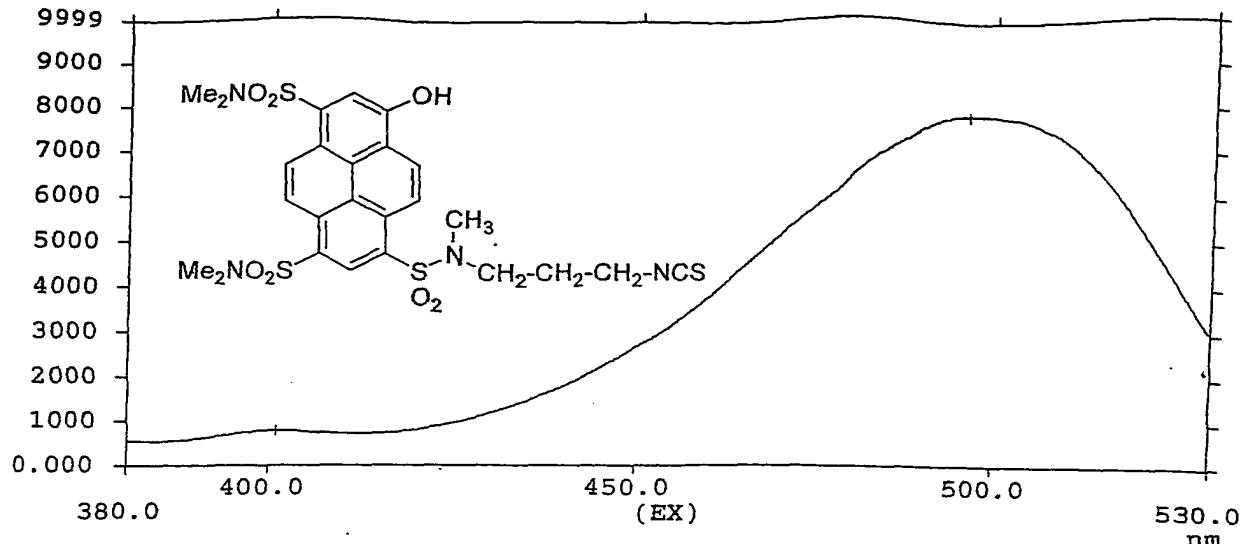
No.	WL (nm)	Peak	No.	WL (nm)	Peak
1	302.6	435.3	2	458.6	811.9



Sample : ABC-558-59
Comment : SB Susb.dil pH 9.0
EX : 458.0 nm
Data Mode : Fluorescence
Scan Speed : 1200 nm/min Slit (EX/EM) : 2.5 nm / 2.5 nm
PMT Voltage : 700 V Response : Auto

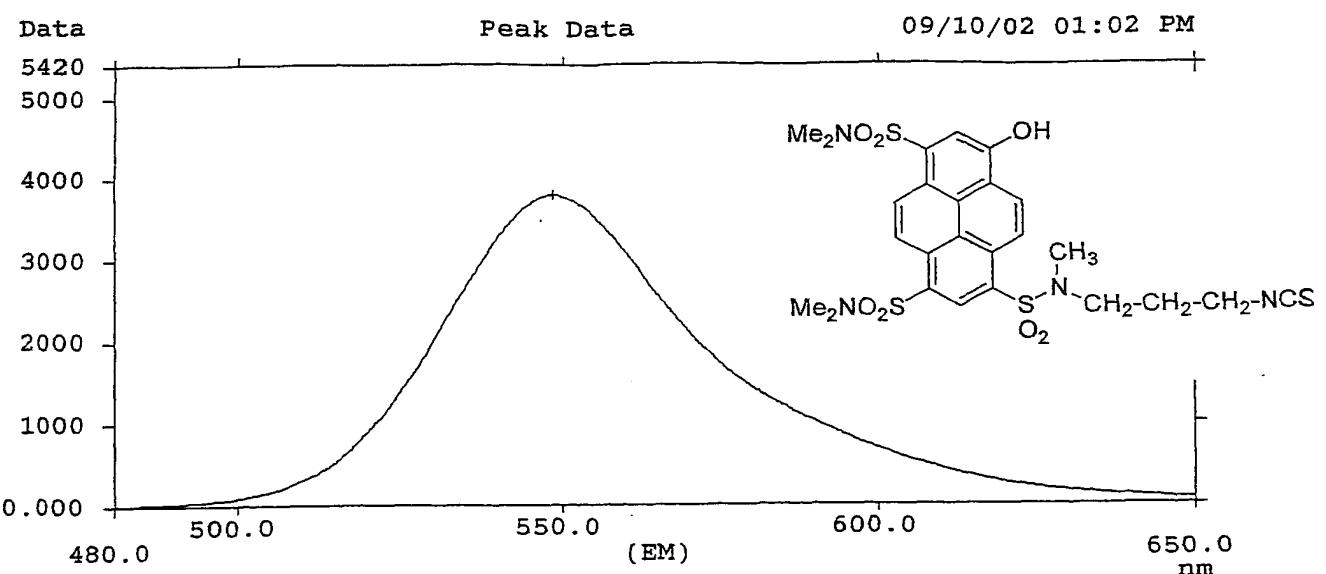
No.	WL (nm)	Peak	No.	WL (nm)	Peak
1	509.0	813.4			

Fig. 1B



Sample : SBO-R-NCS
Comment : PBS pH 7.0
EM : 547.0 nm
Data Mode : Fluorescence
Scan Speed : 1200 nm/min Slit (EX/EM) : 5.0 nm / 5.0 nm
PMT Voltage : 700 V Response : Auto

No.	WL (nm)	Peak	No.	WL (nm)	Peak
1	401.0	783.5	2	496.2	7881



Sample : SBO-R-NCS
Comment : PBS pH 7.0
EX : 460.0 nm
Data Mode : Fluorescence
Scan Speed : 1200 nm/min Slit (EX/EM) : 5.0 nm / 5.0 nm
PMT Voltage : 700 V Response : Auto

No.	WL (nm)	Peak	No.	WL (nm)	Peak
1	548.4	3807			

Fig. 2

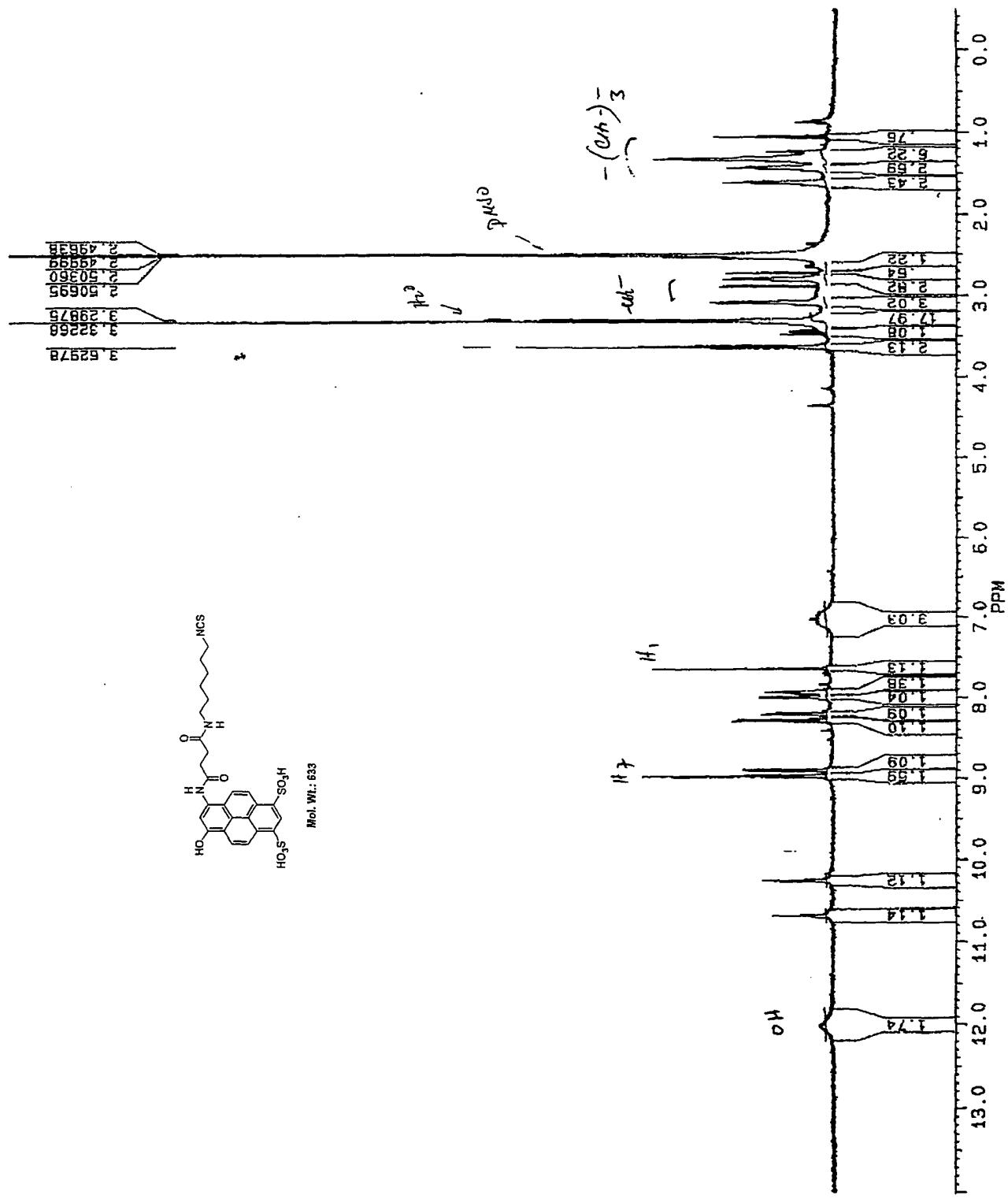


Fig. 3

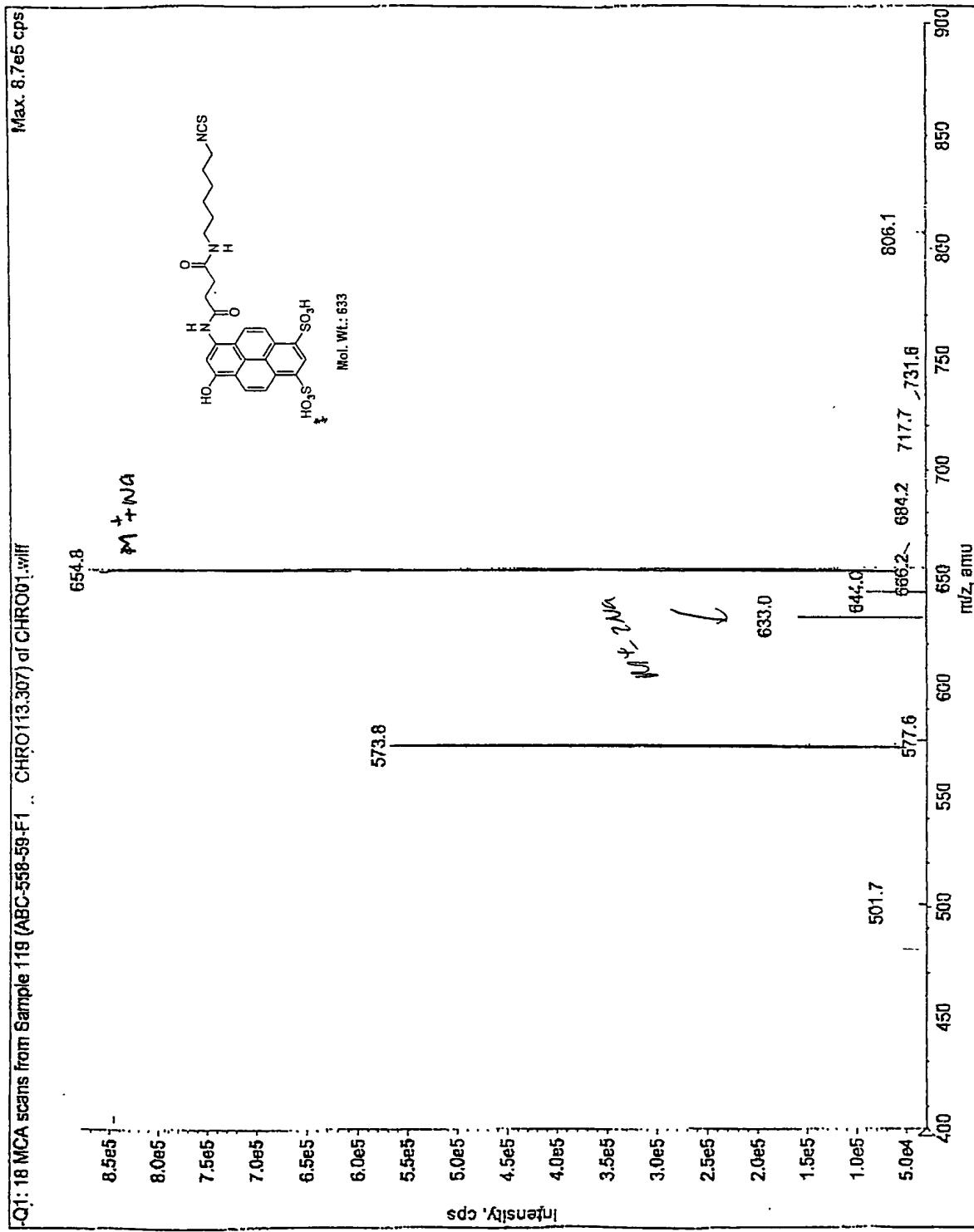


Fig. 4

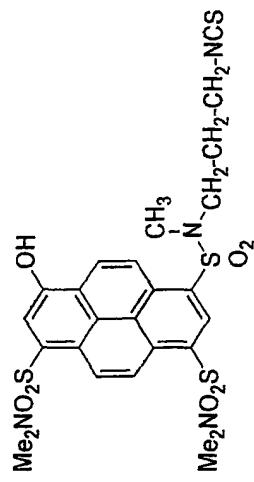
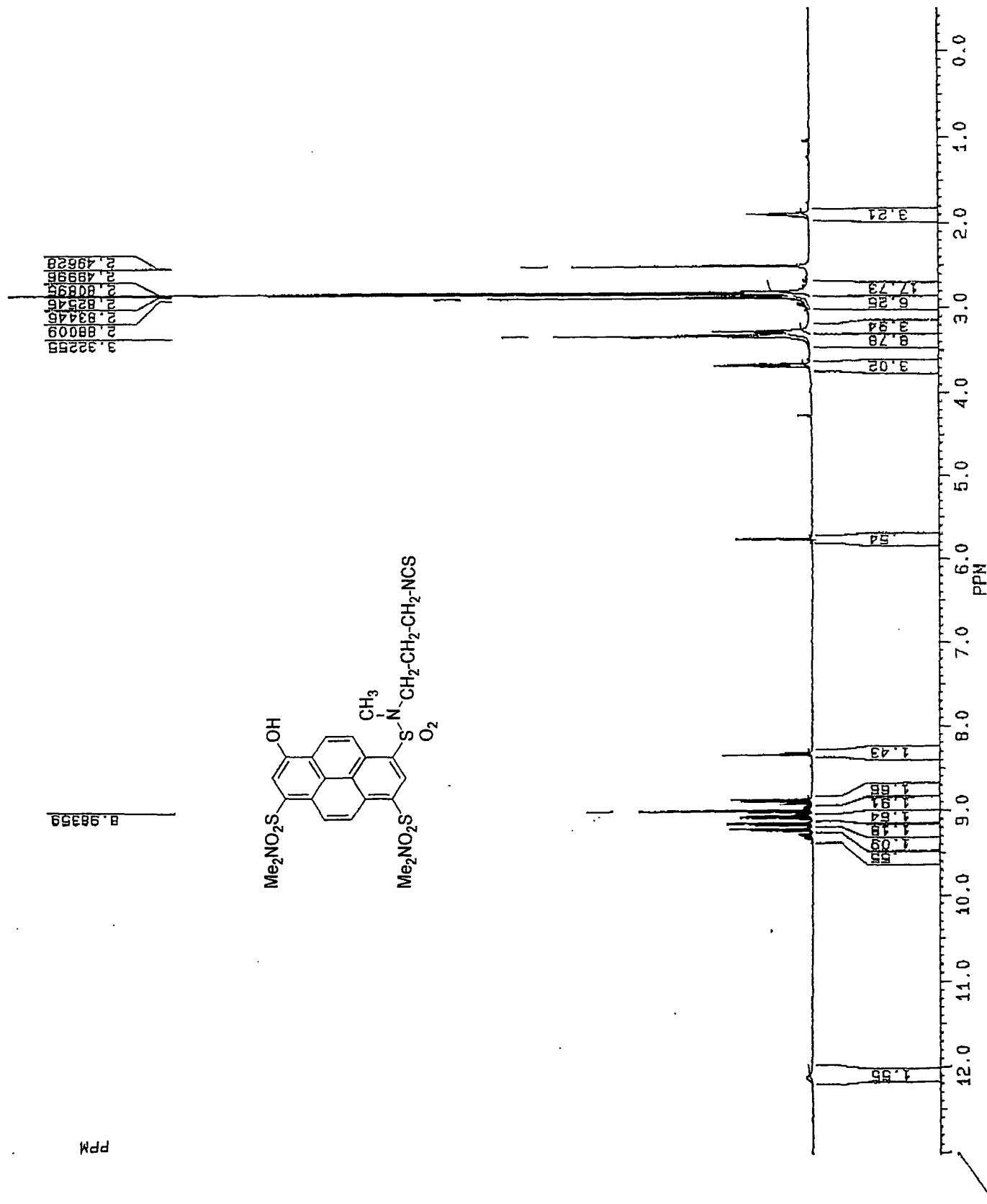
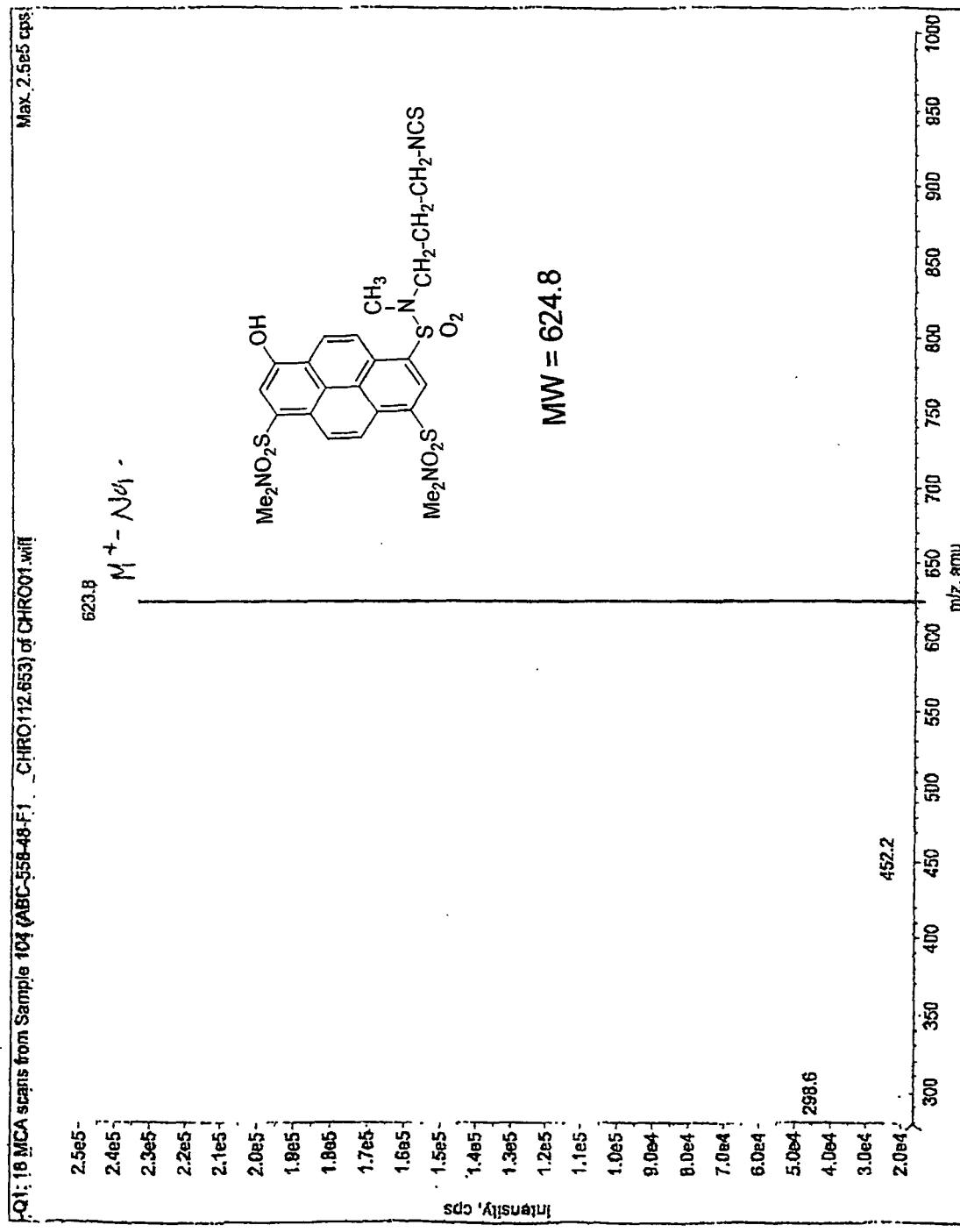


Fig. 5



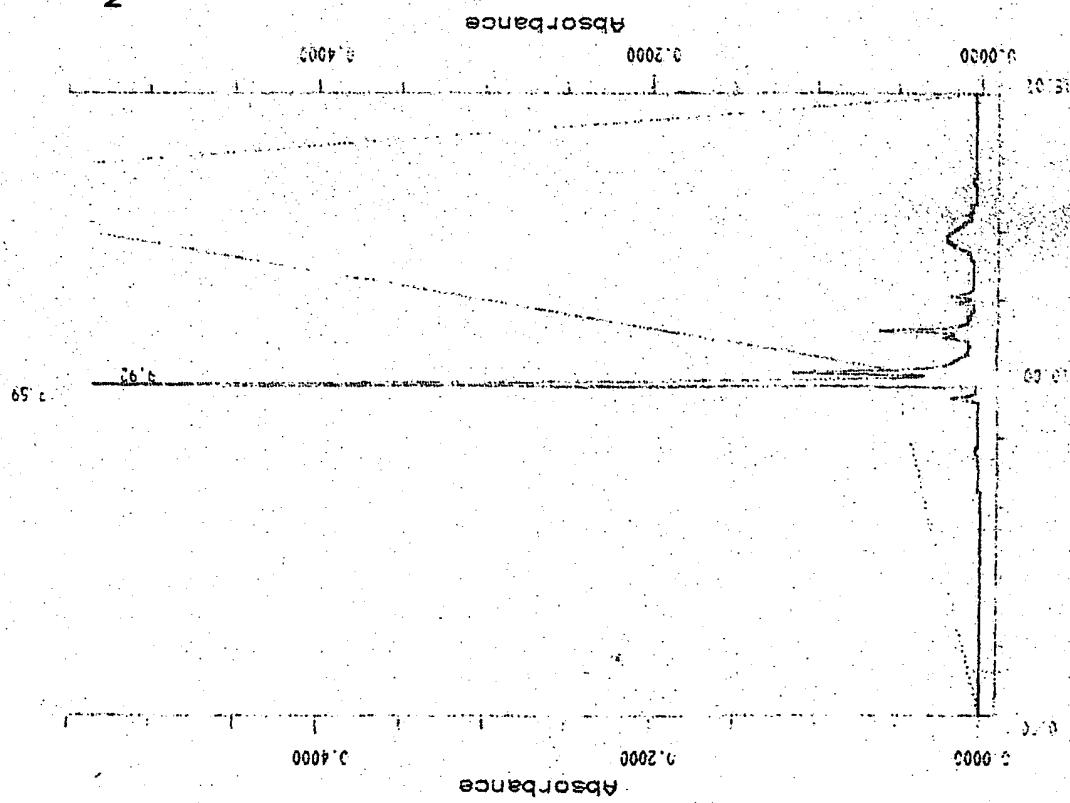
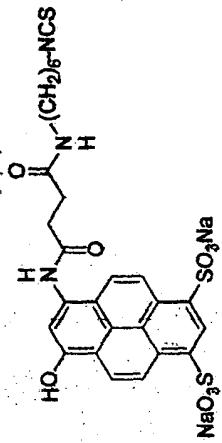


Fig. 6A

SAMPLE TABLE						61901C9T	C:\S810\CE8\1F8A\5817A3\	SYSTEM 1: SYSTEM	Chart Speed 0.50 sec/def
NAME	CHAN-LEV	REP TYPE	DIRECTORY	TIME	DATE	METHOD	PEP-PEA	C:\S810\CE8\1F8A\5817A3\	SYSTEM 1: SYSTEM
DATA	5969351	A	1	0219	C:\S810\CE8\1F8A\5817A3\	INFECTION	08:53:15	6-HAI 2002	
						ANALYSIS	09:11:24	6-HAI 2002	
						REPORT	09:11:26	6-HAI 2002	

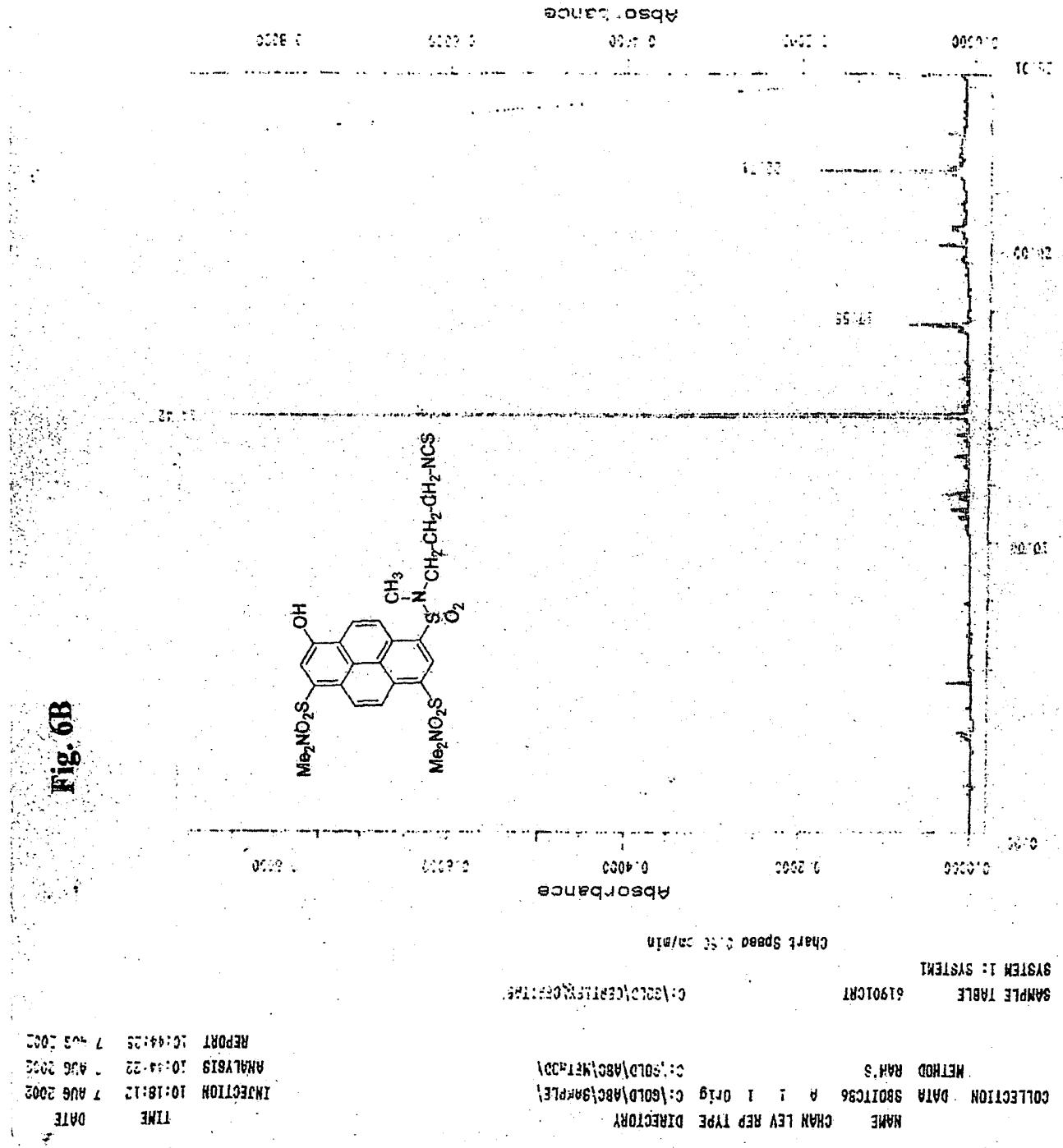
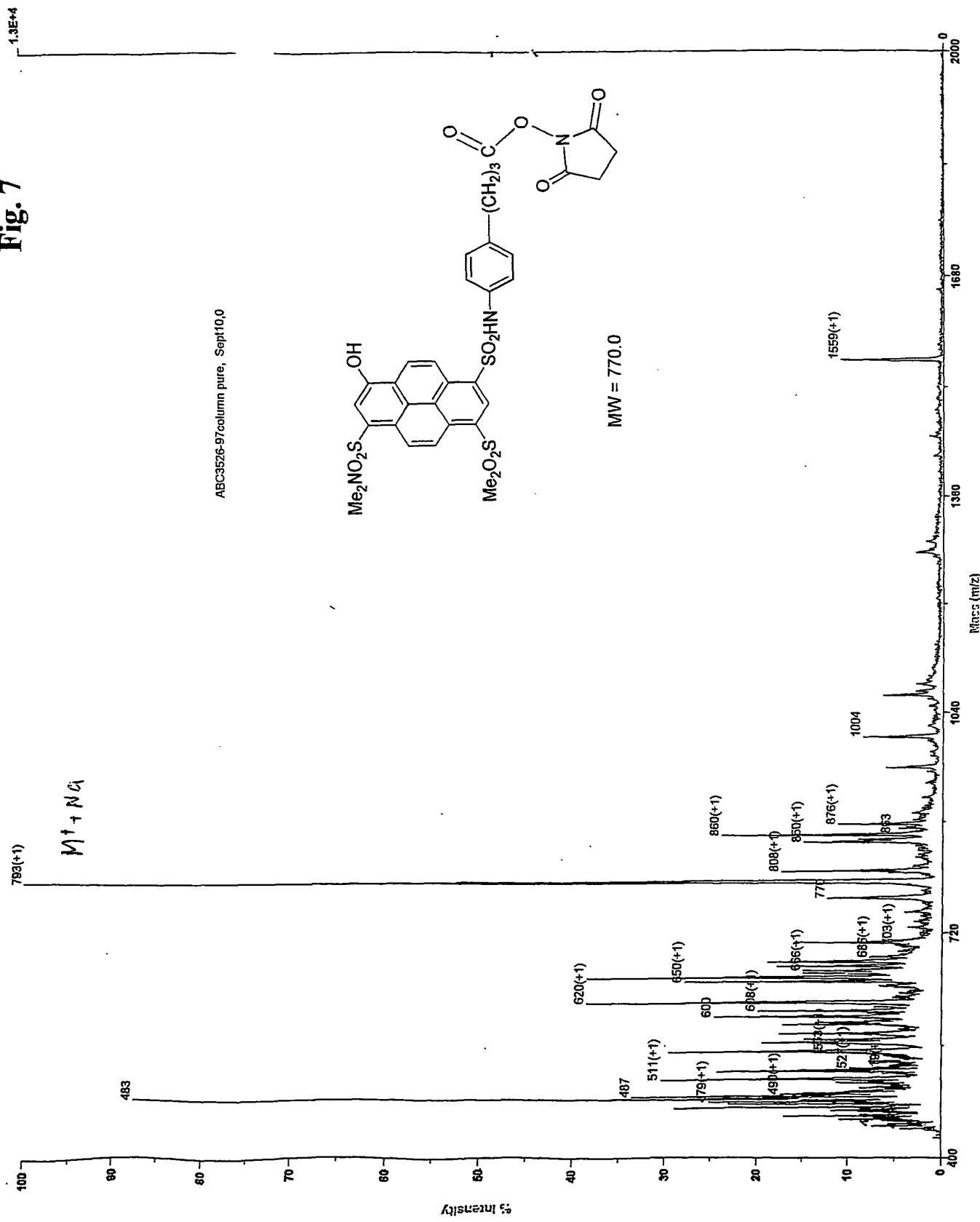


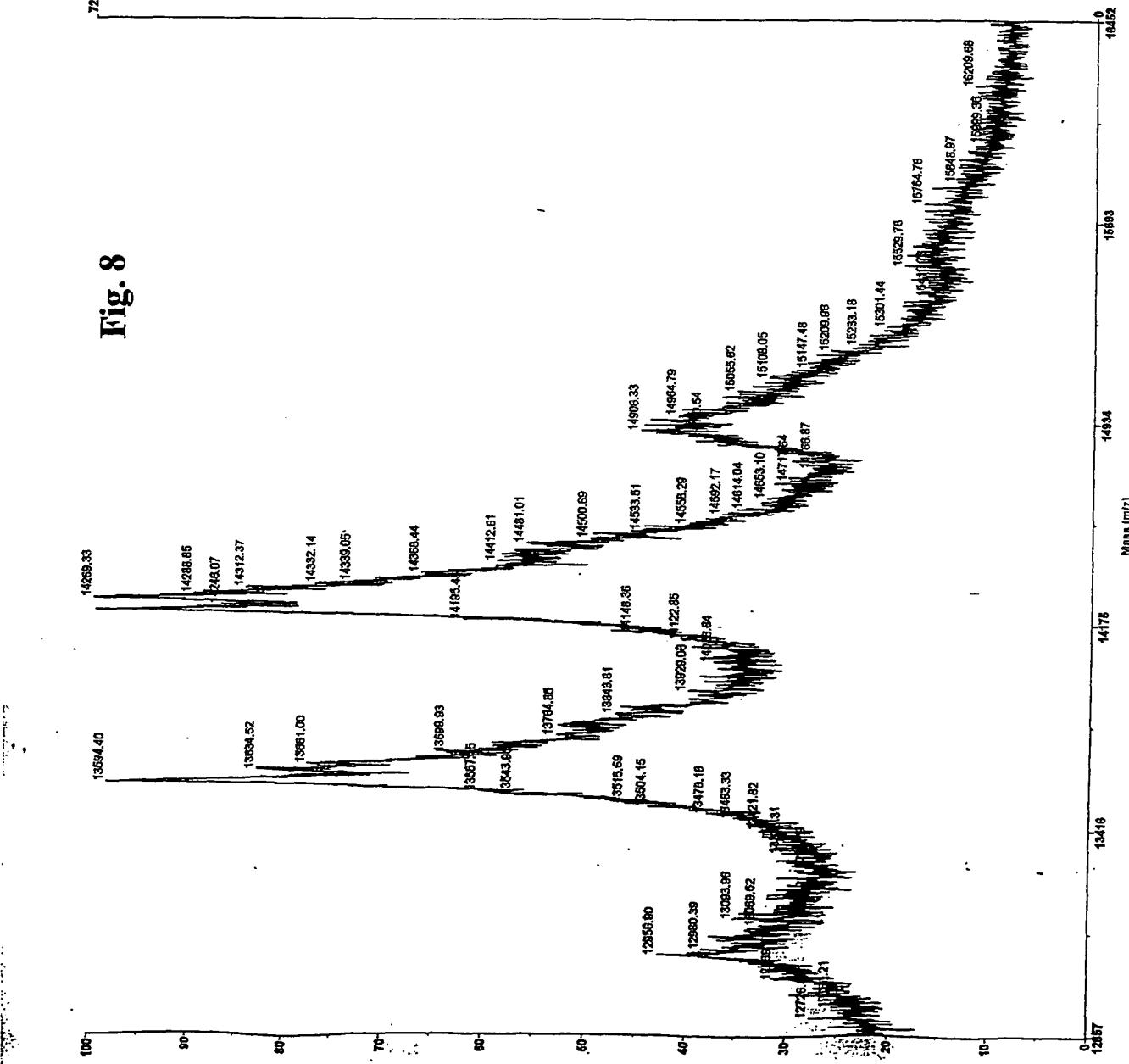
Fig. 6B

Current Spectra - 100 Store

Fig. 7



8
Eig.



Mode of operation:	Linear
Extraction mode:	Delayed
Polarity:	Positive
Acquisition control:	Manual
Accelerating voltage:	25000 V
Grid voltage:	93%
Guide wire 0:	0.15%
Extraction delay time:	350 nsec
Acquisition mass range:	7500 ~ 25000 Da
Number of laser shots:	50/spectrum
Laser intensity:	2617
Laser Rep. Rate:	20.0 Hz
Calibration type:	Default
Calibration matrix:	Shapinic acid
Low mass gate:	7500 Da
Digitizer start time:	48.918
Bin size:	2 nsec
Number of data points:	20113
Vertical scale:	200 mV
Vertical offset:	0.2%
Input bandwidth:	150 MHz
Sample well:	10
Plate ID:	1
Serial number:	1197
Instrument name:	Voyager-DE
Plate type filename:	C:\VOYAGER\100 well plate\pli:
Lab name:	PE Biosystems
Absolute x-position:	47487.8
Absolute y-position:	47081
Relative x-position:	180.288
Relative y-position:	-226.471
Shots in spectrum:	50
Source pressure:	3.19e-007
Mirror pressure:	0
TC2 pressure:	0.01037
TIS gate width:	30
TIS flight length:	940

sbg-wash1 july25,02.bio - 1.000ml
rbabcsg-itc july 25,02.bio - 1.000ml

39.bio - 1.000ml

FRESH

SBG-ITC

SA-SBG

Fig. 9

0.125

0.100

2
6
0
0.075
0
m

WASH # 1 RB 644-39

0.050

0.025

-0.025

-0.050

-0.075

-0.100

-0.125

35
30
25
20
15
Min

0.000

0.025

0.050

0.075

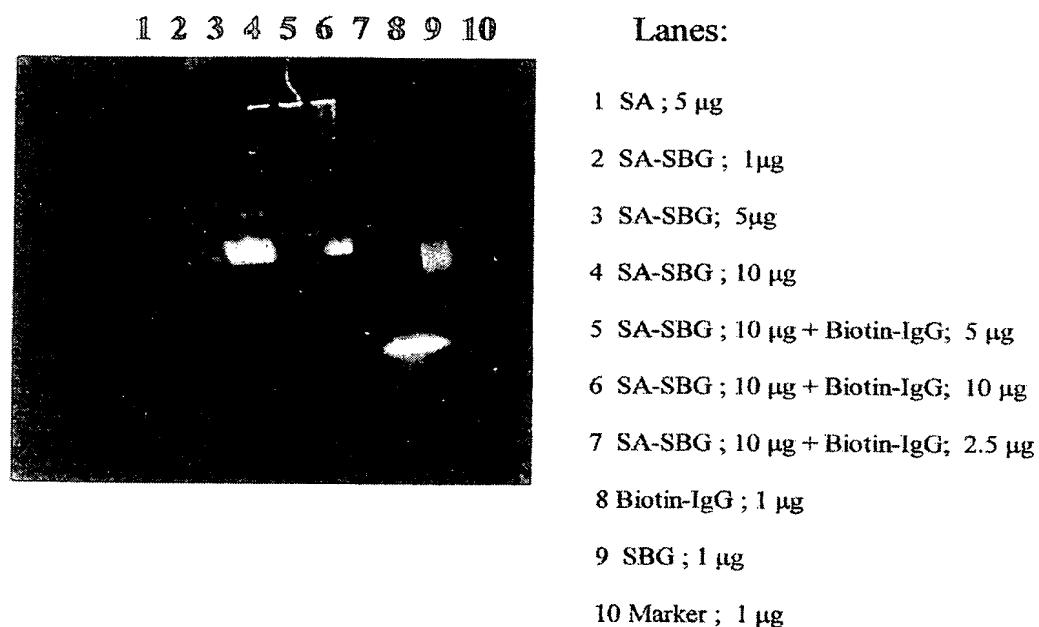
0.100

0.125

0.150

Fig. 10

Gel Shift Assay of SA-SBG conjugate:



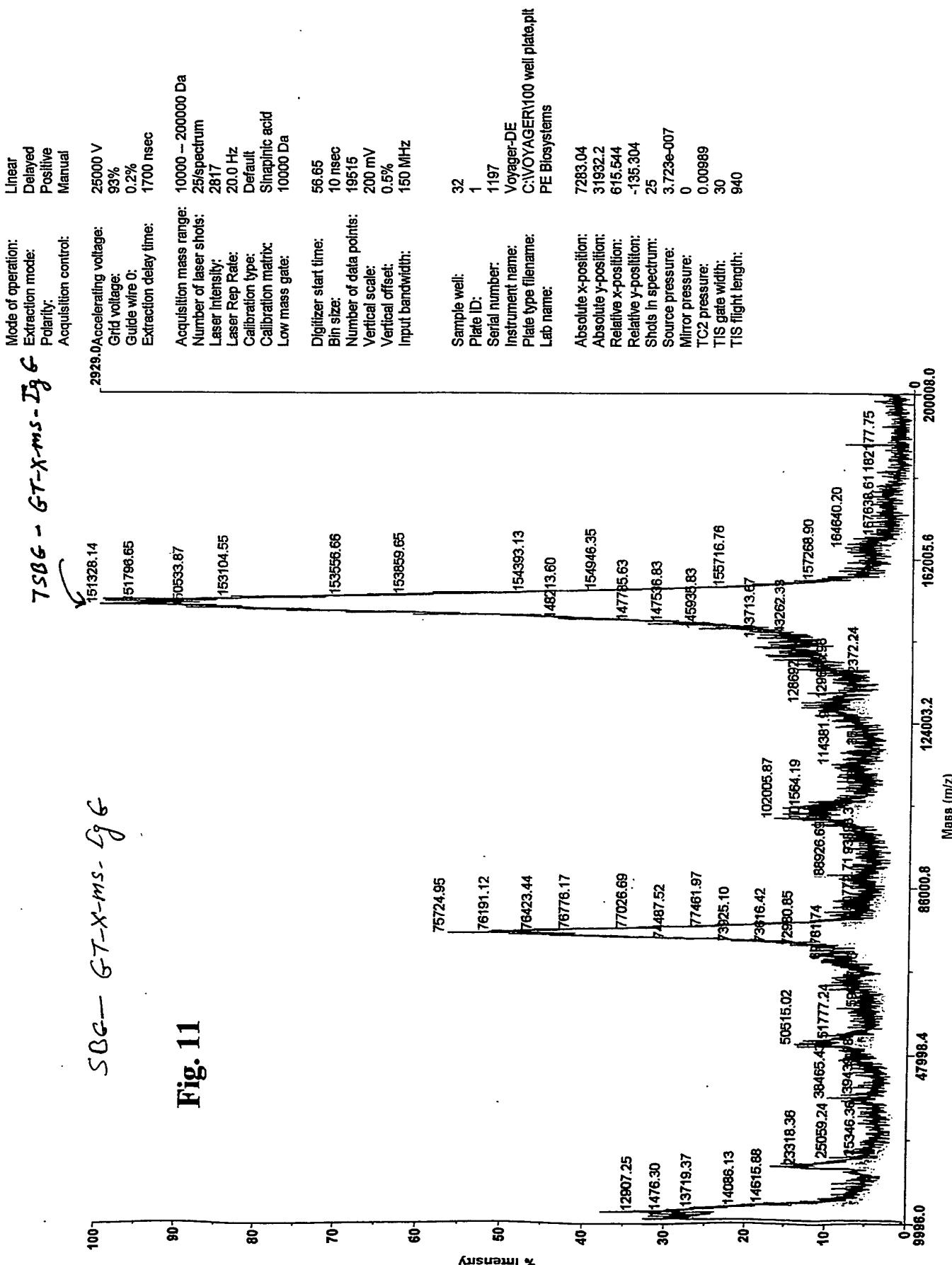
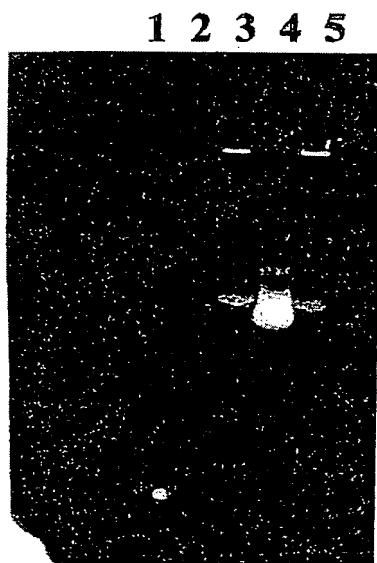


Fig. 11

Fig. 12

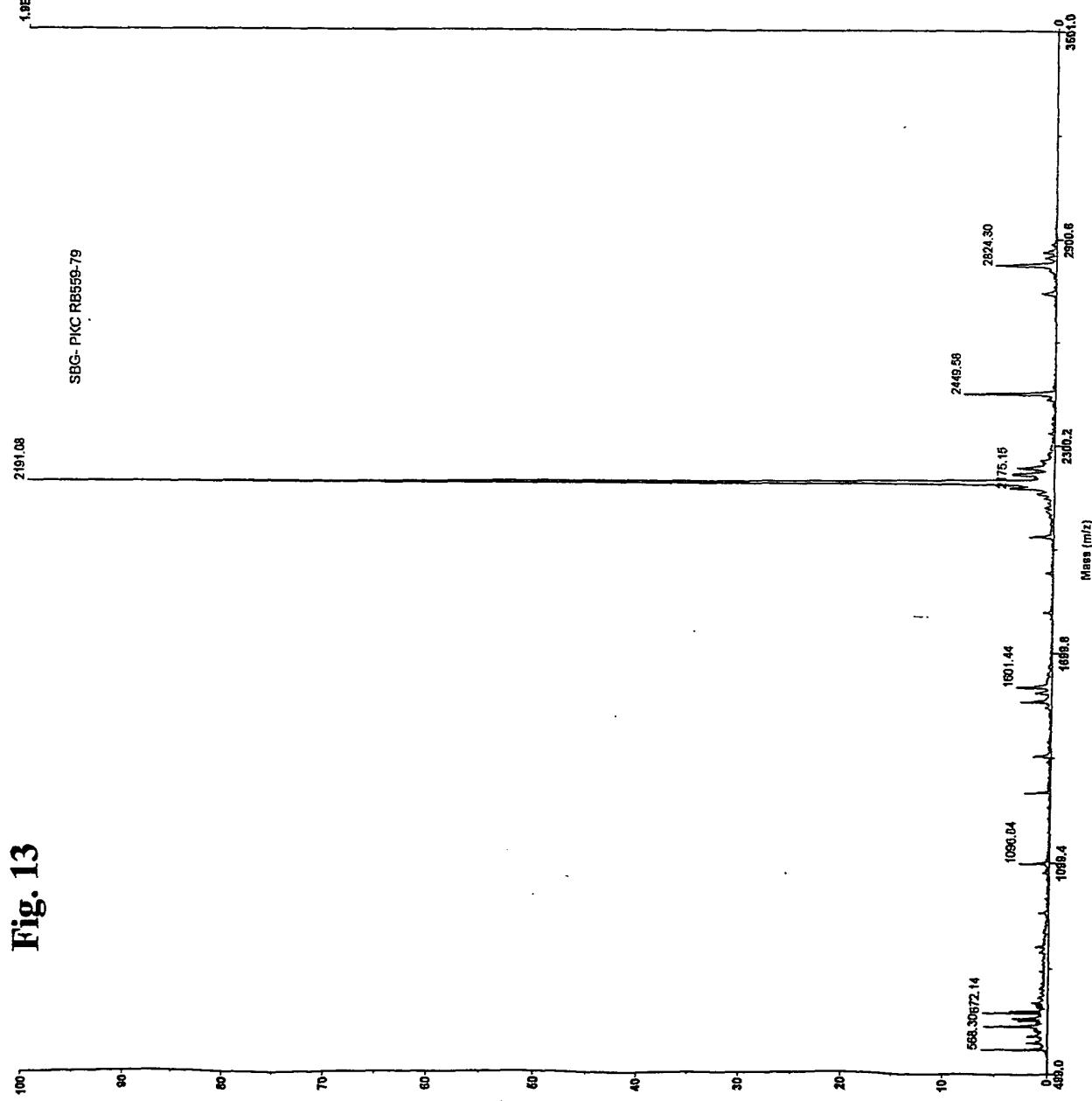
Gel Shift Assay of SA-SBO



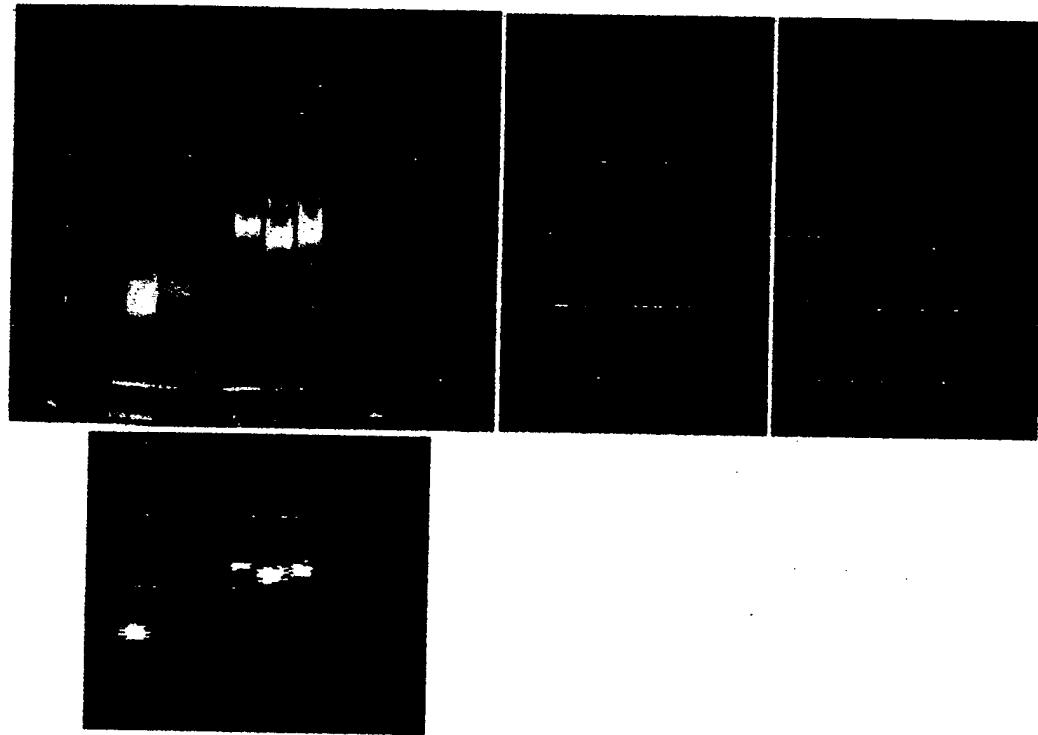
Lanes:

1. SA-SBO ; 1 μ g
2. SA-SBO + Biotin-IgG ; 5 μ g
3. SA-SBO ; 10 μ g
4. SA-SBO + Biotin-IgG ; 10 μ g
5. Biotin-IgG ; 5 μ g

Fig. 13



POLAROID PHOTOGRAPH



**DIGITAL IMAGES
at two thresholds**

**Digital Image showing
Lane alignment**

Figure 14 is a digital image of a polyacrylamide gel showing fluorescent conjugates formed by labeling streptavidin and IgG molecules with the isothiocyanate of StarBright Orange to give labeled reporter moieties having measurable label to probe ratios.

Fig. 15



Figure 15 is a photograph of a polyacrylamide gel showing the fluorescence of an oligonucleotide labeled with StarBright Green Dye.

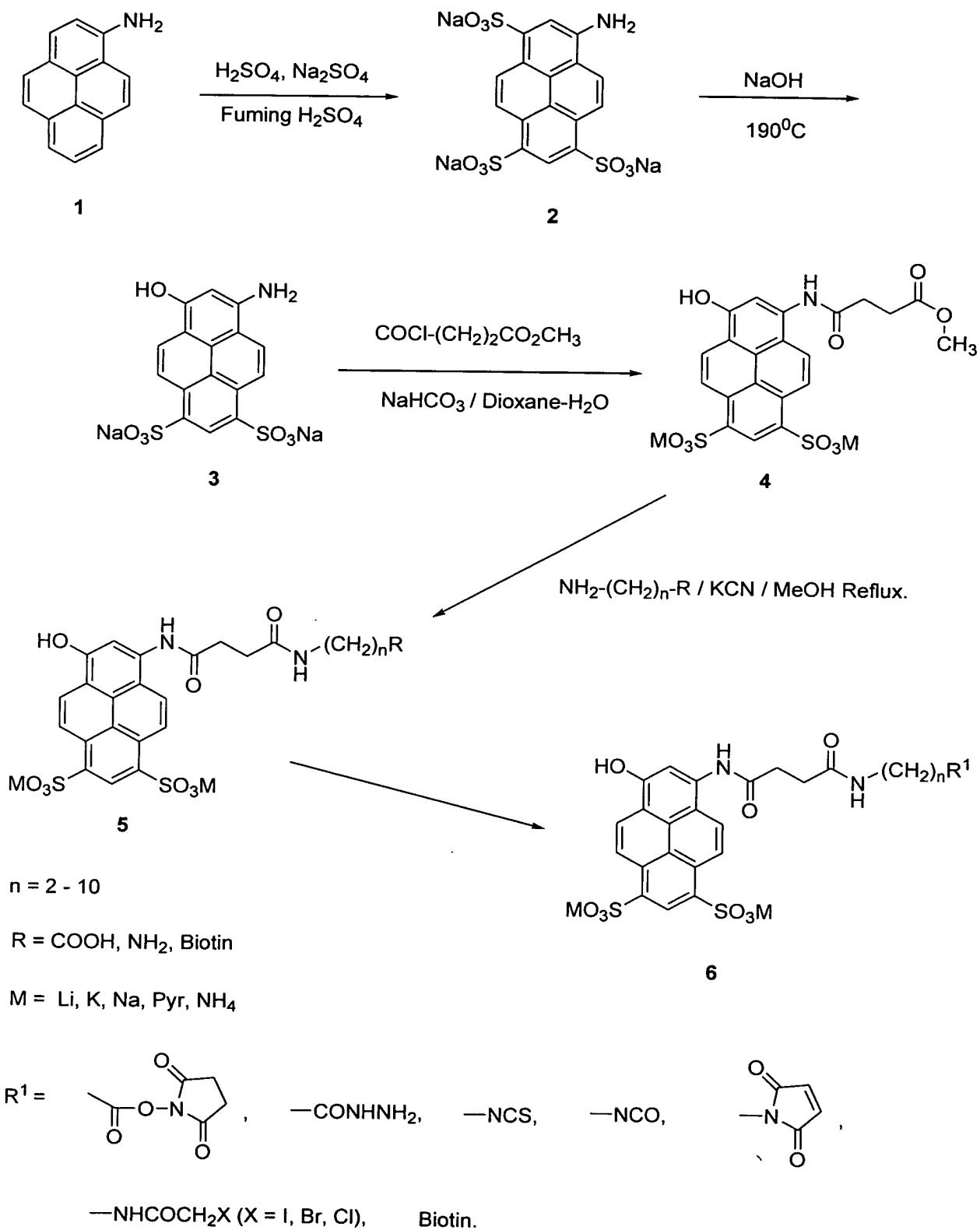


FIG. 16

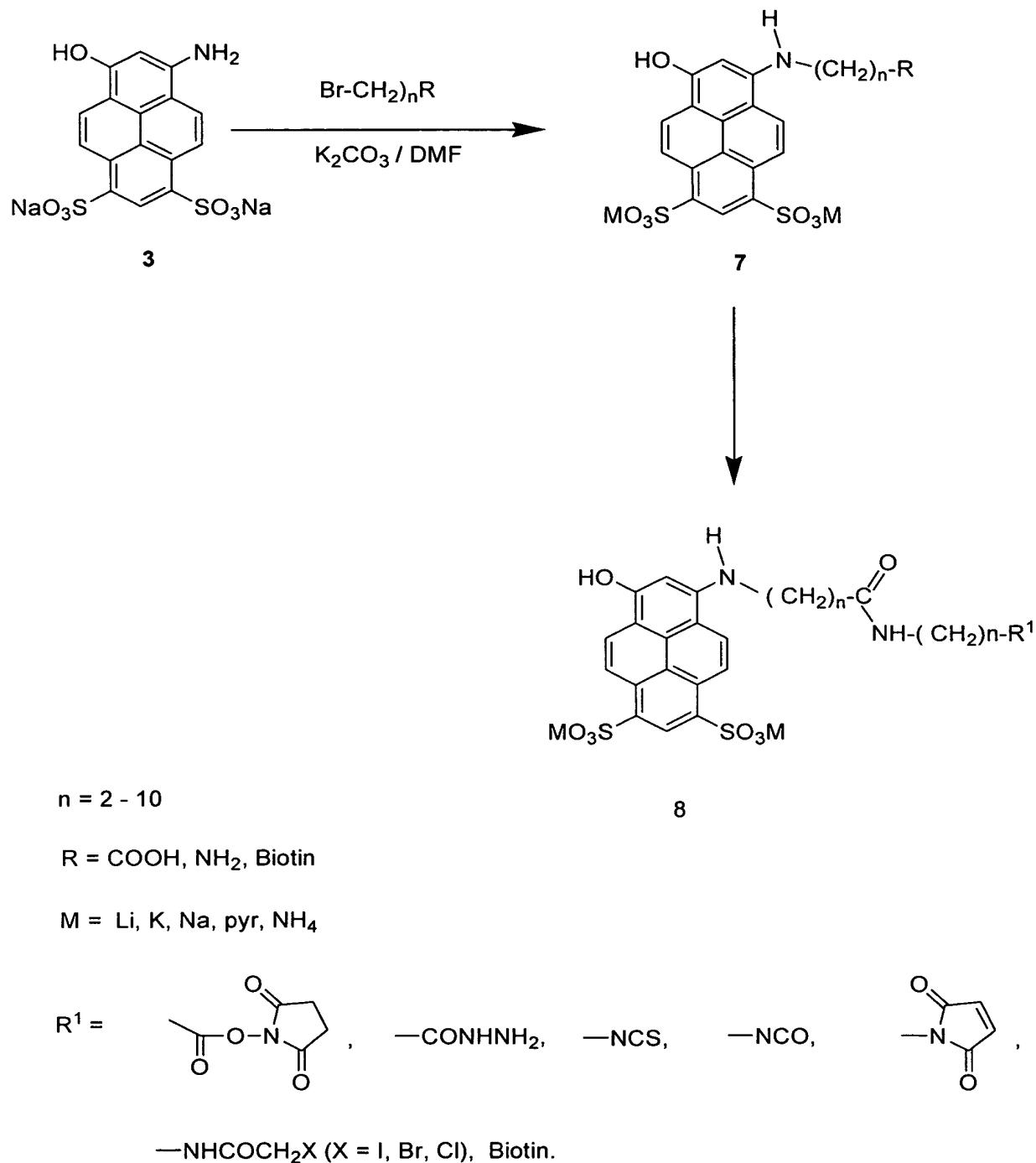


FIG. 17

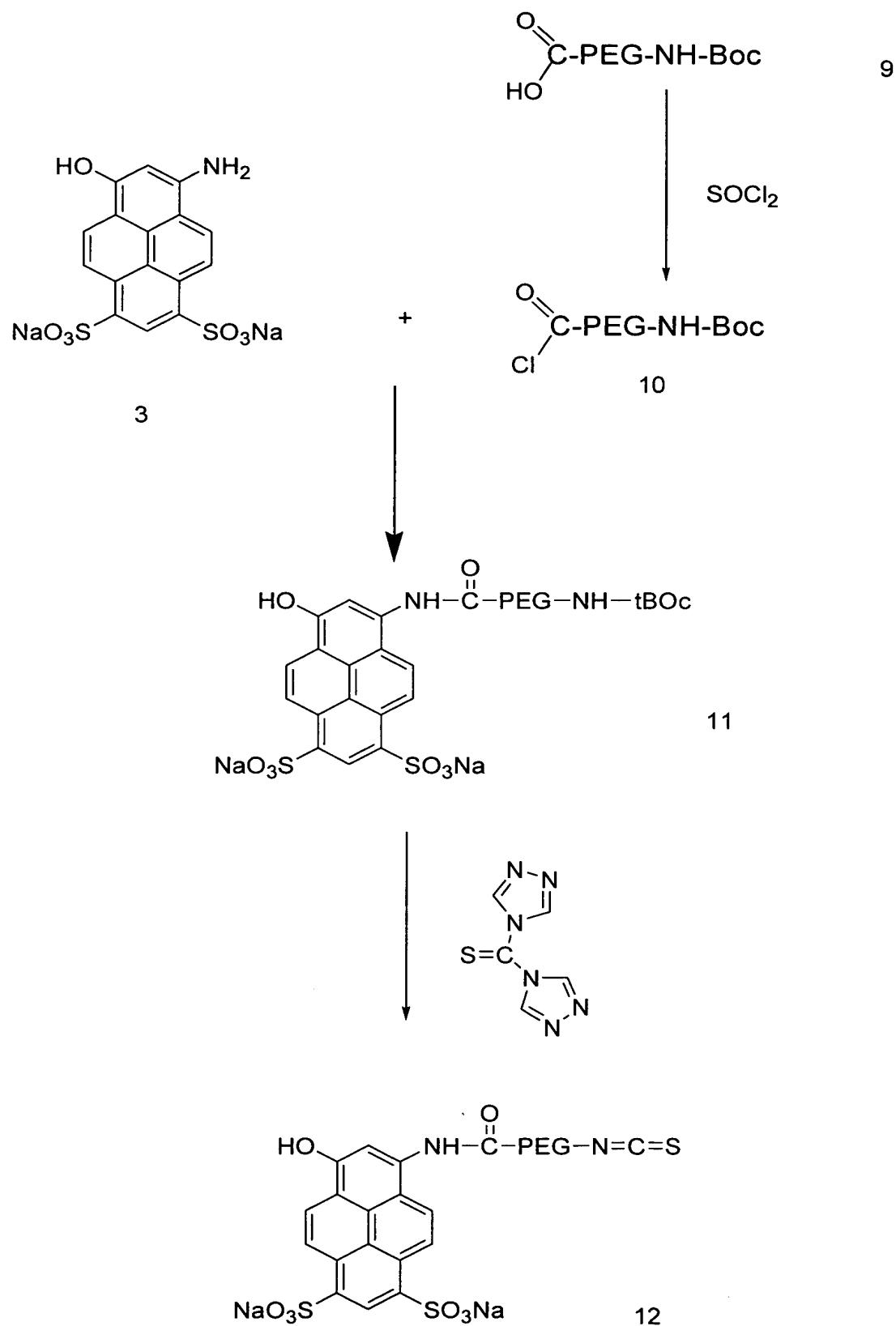
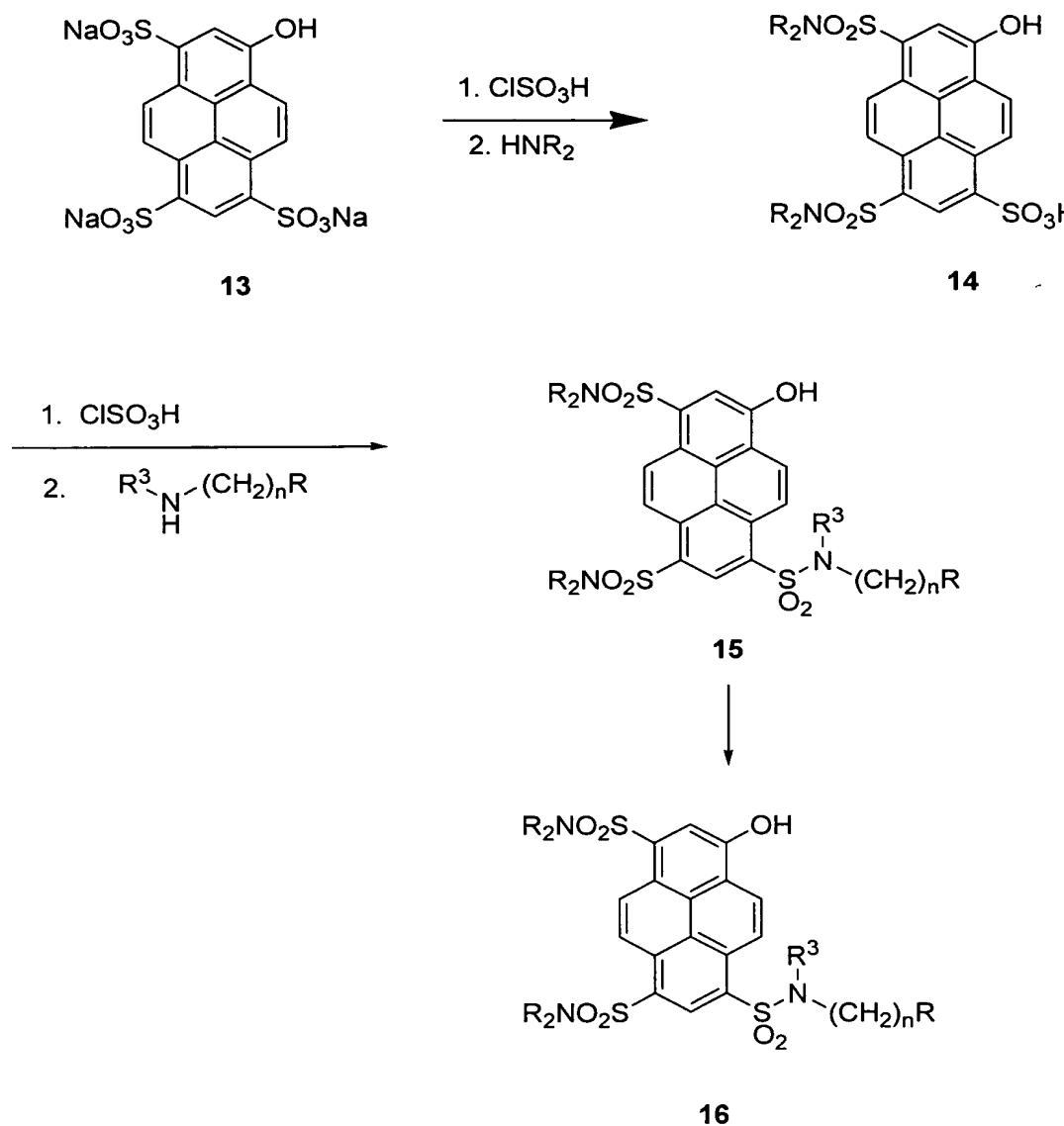


FIG. 18



$$n = 2 - 10$$

R^1, R^2 = alkyl groups

$R^3 = H, \text{alkyl groups}, \quad R^4 = \text{COOH, NH}_2, \text{Biotin}$

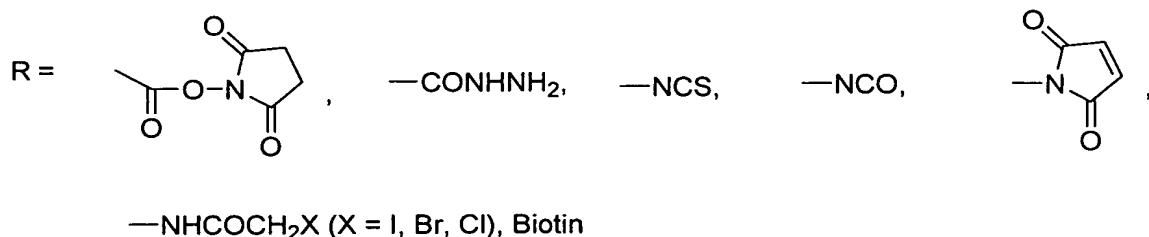
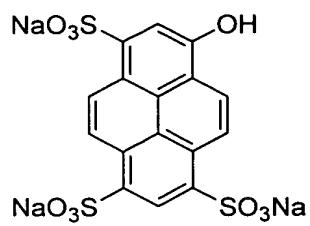
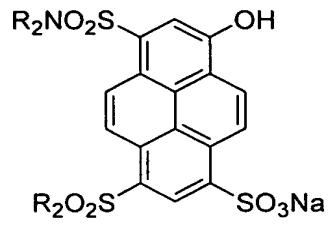


FIG. 19

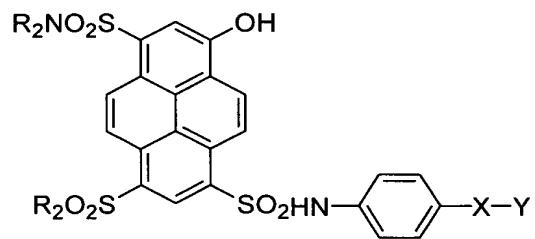


1. CISO_3H
2. HNR_2



14

1. CISO_3H
2. $\text{H}_2\text{N}-\text{C}_6\text{H}_4-\text{X}-\text{Y}$
Pyridine



$n = 0 - 8$

R = Alkyl groups

17

X = $-(\text{CH}_2)_n-$

X = COOH, , $-\text{CONHNH}_2$, $-\text{NCS}$, $-\text{NCO}$,

, $-\text{NHCOCH}_2\text{X}$ (X = I, Br, Cl), Biotin

FIG. 20

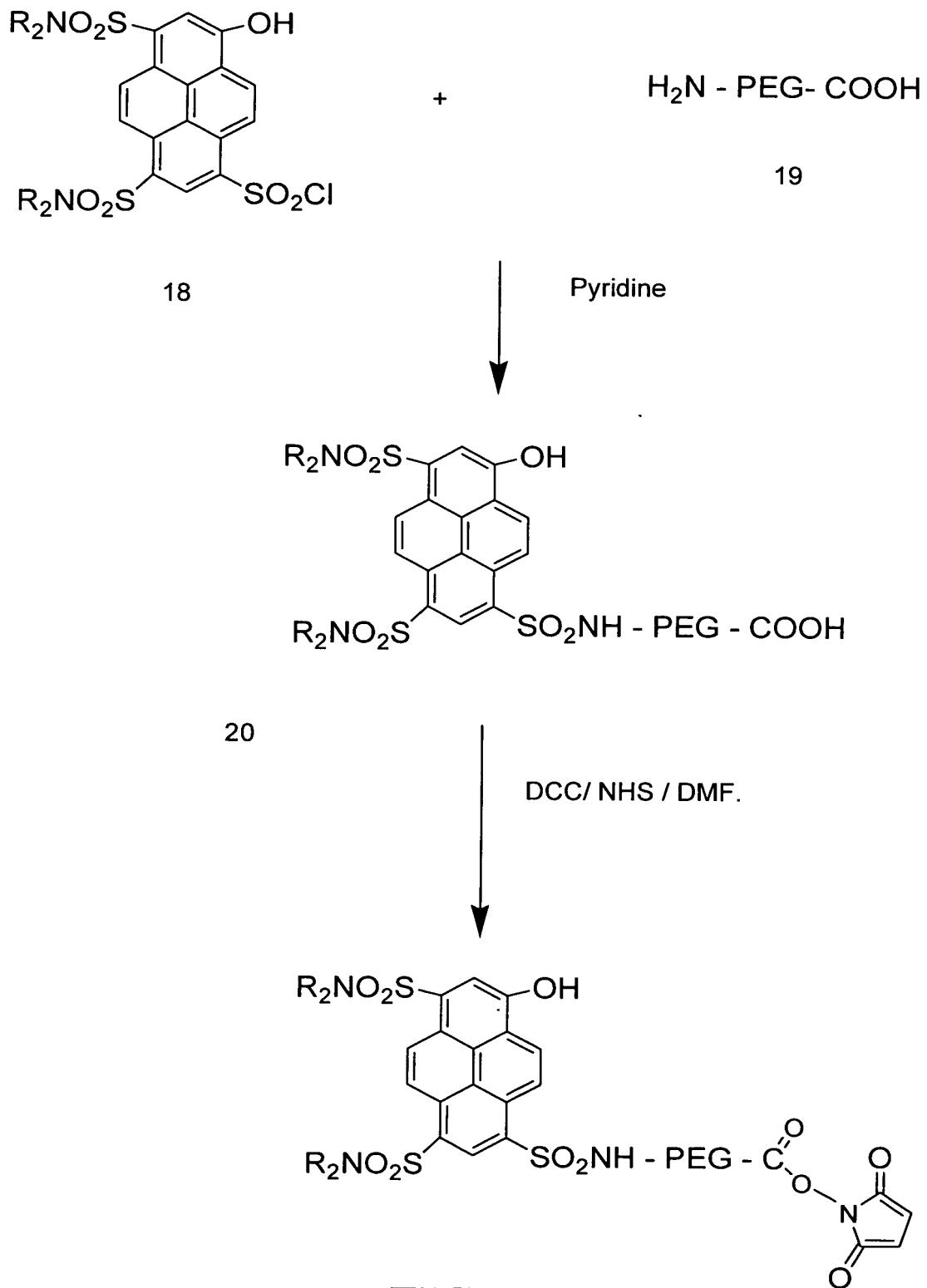


FIG. 21